Special Issue

Heat and Mass Transfer: Thermophysical Characteristics of Composite Materials

Message from the Guest Editors

Composites are highly effective alternatives to classical materials owing to their increased properties. They are an exceptionally topical issue for researchers and practitioners in various fields. Indeed, the development of new composites and the study of their benefits holds central stage within the international research community today.

This Special Issue aims to disseminate advanced research on the physical and thermal properties of composites when subjected to heat and mass transfer processes. Fundamental research and applications, i.e. theoretical, experimental and numerical studies are welcome. Potential topics include, but are not limited to, the physical and thermal properties of advanced composites, microcomposites and macrocomposites, high thermal conductivity and thermal insulating composites, eco-friendly composites, bio-based composites, and natural composites (wood and biological materials).

We are confident that our joint efforts, when publicized in this issue, will make a real contribution to the advancement of this expanding and fascinating field while also allowing specialists to keep abreast with the latest research in the area.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2025)

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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